

MODELS: Beechcraft B17R (Army UC-43H), 5 PCLB

T.C. NUMBER: ATC 579

Engine	Wright R-975E-3 or R-975E-2
Placard limits	
(See NOTE 4)	
A. With fixed metal or adj. metal propeller	
Maximum, except take-off	33.0 in.Hg., 1800 rpm (330 hp)
	or 31.5 in.Hg., 1900 rpm (330 hp)
	or 29.5 in.Hg., 2000 rpm (330 hp)
	or 28.5 in.Hg., 2100 rpm (330 hp)
Take-off (one minute)	-- in.Hg., 1900 rpm (365 hp)
	or 35.0 in.Hg., 2200 rpm (420 hp)
B. With controllable metal propeller	
Maximum, except take-off	
(Below 4000 ft.)	28.5 in.Hg., 2200 rpm (330 hp)
(4000 ft. and up)	27.0 in.Hg., 2200 rpm (330 hp)
Take-off (one minute)	35.0 in.Hg., 2200 rpm (420 hp)
Propeller	Maximum permissible diameter 102 in.
Placard speeds	Level flight or climb - 206 mph True Ind.
	Glide or dive - 225 mph True Ind.
	Flaps extended - 100 mph True Ind.
Fuel	70 gallons (two tanks: fuselage front 28 gallons
	(+32) and fuselage rear 42 gallons (+55))
Oil	6 gallons (-13)
No. passengers	4 (maximum (front +19, rear +60.5)
	(See NOTE 3)
Baggage	125 lbs. (maximum) (+36)
	(See NOTE 3)
Standard weight	3615 lbs.
C.G. limits	(+16.6) and (+29.0)
Spec. basis	Approved Type Certificate No. 579
Serial Nos.	B17R-38, B17R-50 and up manufactured prior to
	9/30/39 and all AAF Nos. eligible. Approval
	expired as of 9/30/39.

EQUIPMENT: (Datum is lower wing leading edge) (* Means net increase)

Class I:

101.	Engine ring cowl	28 lbs.
102.	Battery (Exide 6TS-13-1) (under baggage compartment)	36 lbs.
103.	Starter	25 lbs.
104.	Generator	15 lbs.
105.	Control column	
	(a) Swing-over or	
	(b) "T" type	
	(Inspector should verify type installed)	
106.	24 in. streamline wheels (Hayes ATC 23) with H.D. tires. Wheels must be placarded for these tires.	
107.	10x3 tail wheel	
108.	Fixed metal propeller (Curtiss 55503)	
109.	Oil radiator (Harrison)	
110.	Cabin heater	

Class II:

200.	Miscellaneous items as noted in approved weight and balance report	
201.	Miscellaneous extra instruments	
202.	Adjustable metal propeller - Hamilton Standard hub 5406, blades A3A1-21	90 lbs.
203.	Controllable metal propeller - Hamilton Standard hub 2D30 and blades 6101A or 6095A series	Use actual weight
204.	Camera installation (Drawings B17E015, B17E106, and B17E902). Camera and viewfinder 110 lbs. (+51); operator's	

- stool 4 lbs. (+65); 25 gallons fuel tank in baggage compartment 15 lbs. (+86).
Remove rear seat 31 lbs. (+62); cover plates for camera and viewfinder 3 lbs. (+51) and rear fuselage fuel tank (+55).
205. Landing lights
(a) (Grimes) - under Lower wing 3.5 lbs. each (+18)
(b) (Hall) - in wheel well 3.5 lbs. each (+37)
(c) (S & M) Use actual weight
206. Flares (Drawing No. I-17004)
207. Radio, variable (location and actual weight of installation including controls, etc., or name of manufacturer and model if already installed and included in the empty weight should be noted on inspection report) (Drawing I-17002 shows approved locations).
208. Shielding
(a) Breeze 15 lbs.
(b) Packard 10 lbs.
209. Extra door on right side 6 lbs.*
210. Extra fuel tanks in wings 23 gallons or 25 gallons each, upper (+45.5) and lower (+24), 20 lbs. each. Any combination of fuel tanks including removal of the fuselage tanks may be used subject to inspector's approval and provided weight and balance accounts for actual installation.
211. Oil tank:
(a) 7.5 gallons (-13)
(b) 8.5 gallons (-13)
(c) 10.3 gallons (-13)
212. Generator (Eclipse 25 amp) 20 lbs.
213. Golf bag compartment (Drawing I-17006). In bay aft of, and opens into, baggage compartment. Maximum capacity 70 lbs. golf bag and clubs only.
214. Parachutes or parachute type chairs 20 lbs.
215. Seaplane corrosion protection
216. Pressure fire extinguisher (Drawing I-17001) (Container at +14)
217. Metal tank cover (Drawing I-17003)
218. Camera well (Drawing I-17005)
219. Ballast installation (+210) Maximum 25 lbs.
220. Special tool compartment in tail 25 lbs. including tools (+218)

Class III:

301. 24 in. streamline wheels (Hayes ATC 23) with 6-ply tires 75 lbs. (wheels must be placarded for 6-ply tires)
302. Puncture proof tubes
(a) 7.50-10 8 lbs.*
(b) 24 in. streamline 5 lbs.*
303. Tail wheel steering device No change in weights
304. Electric motor and installation for auxiliary to manually operated retracting gear (25 ampere fuse required) 8 lbs.*

NOTE 1. The following placards were required on certain airplanes when originally certificated:

- (a) At the fuel valve: "USE MAIN FUSELAGE TANKS FOR TAKE-OFF AND LANDING. USE FUEL OUT OF AUXILIARY LOWER WING TANKS BEFORE EMPTYING MAIN TANKS."
- (b) At rear fuselage tank, "AS 4-PLACE 47 GALS., AS 5-PLACE 22 GALS."
- (c) Baggage placarded to 75 lbs.
Similar instructions must be placed in subsequent airplanes when the actual weight and balance report is based on any but the most adverse (from balance standpoint) use of the fuel. Inspector's report and actual weight and balance report should specify restrictions applicable.

NOTE 2. Eligible for export as follows subject to inspection for equipment

specified in Chapter XII of Inspection handbook: (6-9-38)

- (a) Canada
 - Landplane
 - Skiplane - not eligible
- (b) All other countries except Australia

NOTE 3. Five place type must be placarded for 75 lbs. when 3 passengers occupy rear seat unless more is substantiated in actual weight and balance report.

NOTE 4. Eligible for certification with placard limits of 420 hp, 2200 rpm and manifold pressure of 34.5 in.Hg., for all operations. A weight and balance report must be made accounting for increase in the required minimum fuel affected by the 420 METO hp rating.